



HIV/AIDS in Baltimore City: An Epidemiological Profile

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IDEHA Mission



- To improve the health of Marylanders by reducing the transmission of infectious diseases, helping impacted persons live longer, healthier lives, and protecting individuals and communities from environmental health hazards
- We work in partnership with local health departments, providers, community based organizations, and public and private sector agencies to provide public health leadership in the prevention, control, monitoring, and treatment of infectious diseases and environmental health hazards.



U.S. HIV/AIDS Prevalence



 At the end of 2009, an estimated 1.2 million Americans were infected with HIV

- It is also estimated that 20% of the infected were undiagnosed
 - CDC. HIV in the United States. Fact Sheet, Nov. 2011. Atlanta.



2010 Estimated HIV Diagnoses, Ranked by Rates



STATE/TERRITORY	<u>Cases</u>	Rate per 100,000
 District of Columbia* 	939	156.7
2. Virgin Islands	47	42.8
3. Florida	5,782	31.2
4. Maryland*	1,708	30.0
5. Louisiana	1,279	28.5
6. Puerto Rico	1,118	28.2
7. New York	5,321	27.2
8. Georgia	2,581	26.3
9. New Jersey	2,207	25.3
10. South Carolina	914	20.0
United States**	48,298	16.3

CDC. HIV Surveillance Report, 2010. Vol. 22. Table 19.
* Maryland DHMH estimates from CDC data.
** Based on 46 states and 5 territories.



2009 Estimated Adults Living with HIV, Ranked by Rates



STATE/TERRITORY	<u>Cases</u>	Rate per 100,000
 District of Columbia* 	13,973	2,330.2
2. New York	130,608	795.9
3. Virgin Islands	573	632.7
4. Florida	92,874	594.8
5. Puerto Rico	18,350	555.7
6. Maryland*	29,282	513.8
7. New Jersey	36,041	497.1
8. Georgia	35,129	442.6
9. Louisiana	16,211	440.4
10. Delaware	2,913	395.8
United States**	800,784	327.6

CDC. HIV Surveillance Report, 2010. Vol. 22. Table 21. * Maryland DHMH estimates from CDC data.

^{**} Based on 46 states and 5 territories.



2010 Estimated HIV Diagnoses, Ranked by Rates



METROPOLITAN AREA	<u>Cases</u>	Rate per 100,000
1. Miami, FL	2,757	49.7
2. Baton Rouge, LA	339	43.0
3. New Orleans-Metairie-Kenner, LA	439	36.9
4. Washington, DC-VA-MD-WV*	1,995	36.4
5. Baltimore-Towson, MD*	951	35.4
6. Jackson, MS	184	34.0
7. Memphis, TN-MS-AR	440	33.7
8. Orlando, FL	686	32.9
9. New York, NY-NJ-PA	6,160	32.3
10. Columbia, SC	230	30.9
United States**	47,692	16.3

CDC. HIV Surveillance Report, 2010. Vol. 22. Table 24.

* Maryland DHMH estimates from CDC data.

** Based on 46 states and 5 territories.



2009 Estimated Adults Living with HIV, Ranked by Rates



METROPOLITAN AREA	<u>Cases</u>	Rate per 100,000
1. Miami, FL	48,177	868.5
2. New York, NY-NJ-PA	140,988	739.3
3. Baltimore-Towson, MD*	18,116	673.3
4. New Orleans-Metairie-Kenner, LA	7,380	620.2
5. Jackson, MS	2,952	545.8
6. San Francisco, CA	23,101	535.0
7. Washington, DC-VA-MD-WV*	29,163	532.5
8. Memphis, TN-MS-AR	6,891	528.1
9. Baton Rouge-LA	3,779	480.2
10. San Juan-Caguas-Guaynabo, PR	12,505	477.8
United States**	793,935	271.4

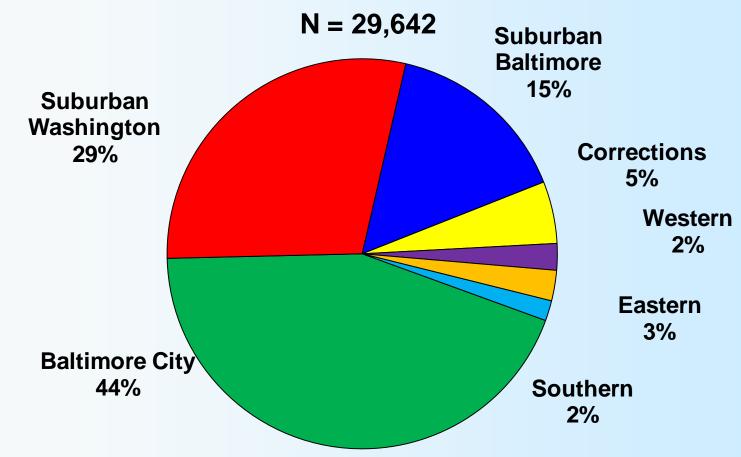
CDC. HIV Surveillance Report, 2010. Vol. 22. Table 24. * Maryland DHMH estimates from CDC data.

** Based on 46 states and 5 territories.



Maryland Living Adult/Adolescent HIV Cases by Region, 12/31/10

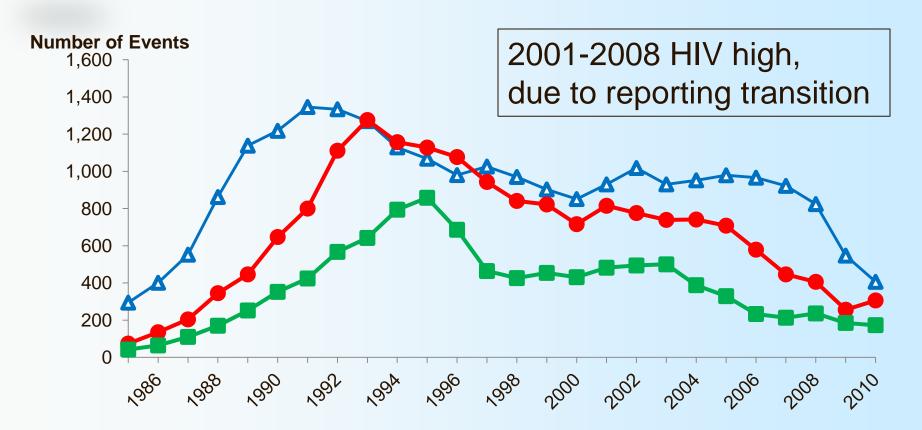






HIV/AIDS Trends Baltimore City



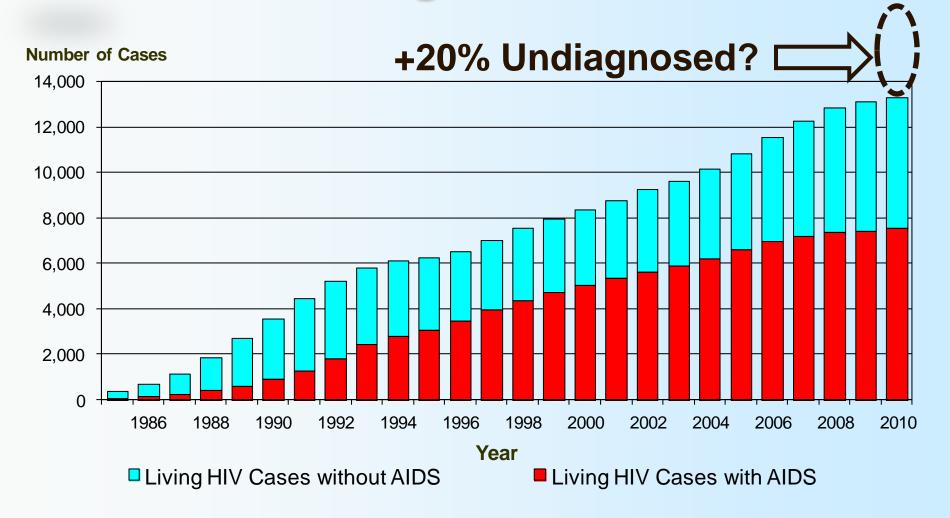


Year of Diagnosis or Death



Baltimore City Living HIV Cases







Behavioral Surveillance Baltimore-Towson MSA



	N	HIV Positive (%)	Unrecognized Infection (%)
MSM-2 (2008)	448	37.5%	78.4%
IDU-2 (2009)	507	16.2%	48.0%
HET-2 (2010)	338	6.3%	62.5%

http://ideha.dhmh.maryland.gov/OIDEOR/CHSE/SitePages/behavioral-surveillance.aspx



Baltimore City Adult/Adolescent HIV/AIDS Statistics

No

per 100 000



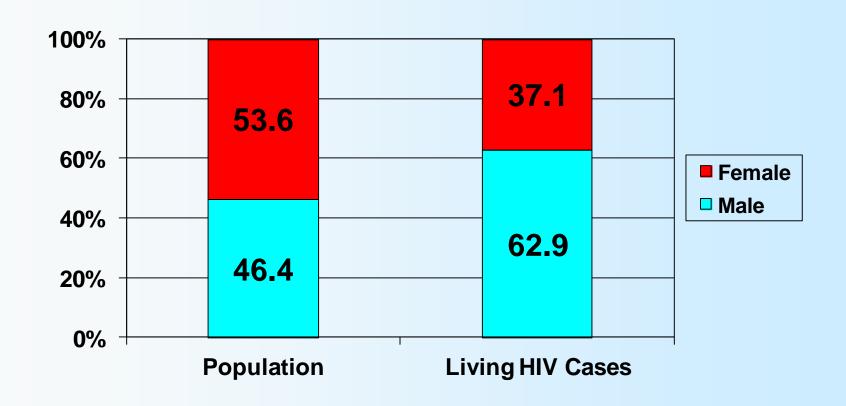
reported biagnoses (during 2010)	140.	pci 100,000	
HIV	406	77.6	
AIDS	303	57.9	
Living Cases (on 12/31/10)	No.	per 100,000 1 in X	
HIV without AIDS	5,618	1,073.2	
HIV with AIDS	7,446	1,422.4	
Total HIV	13,064	2,495.7 40	

Reported Diagnoses (during 2010)



Adult/Adolescent Population and Living HIV Cases by Sex at Birth,

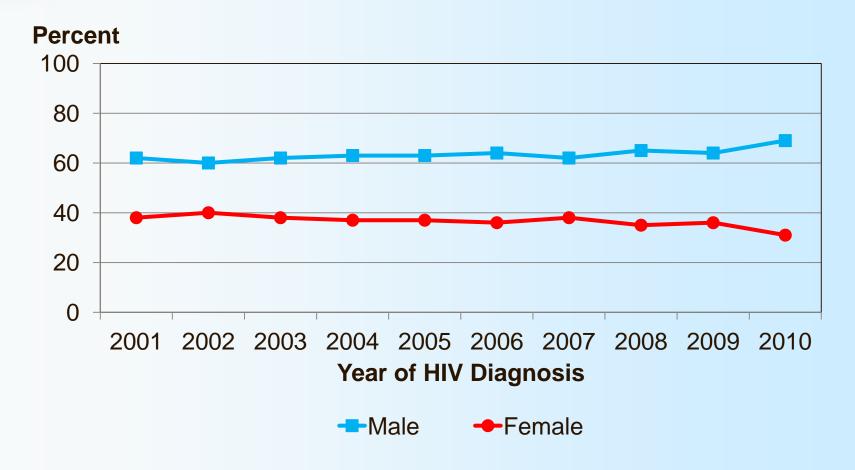




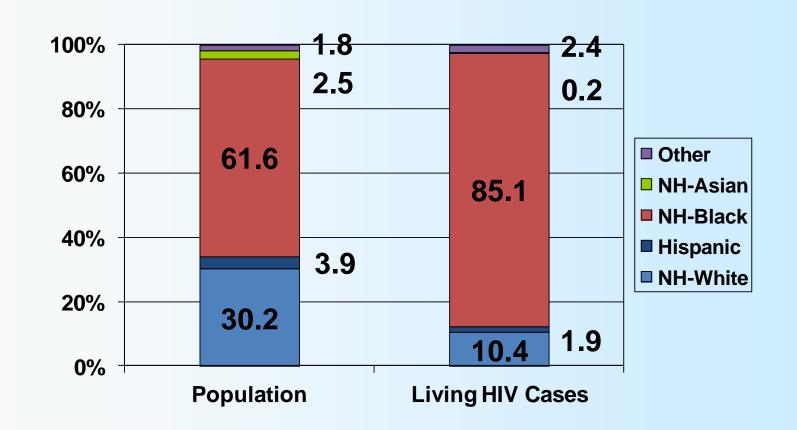


Reported Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Baltimore City





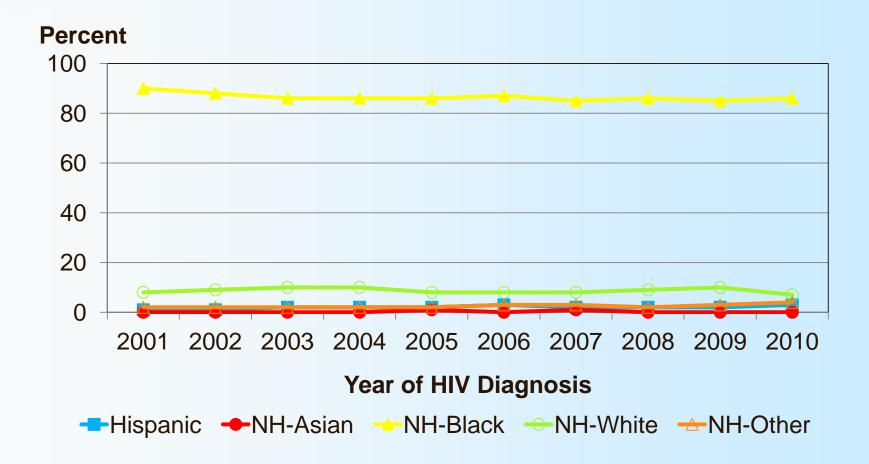
Adult/Adolescent Population and Living HIV Cases by Race/ Ethnicity, Baltimore City





Reported Adult/Adolescent HIV Diagnosis Trends by Race/Ethnicity, Baltimore City

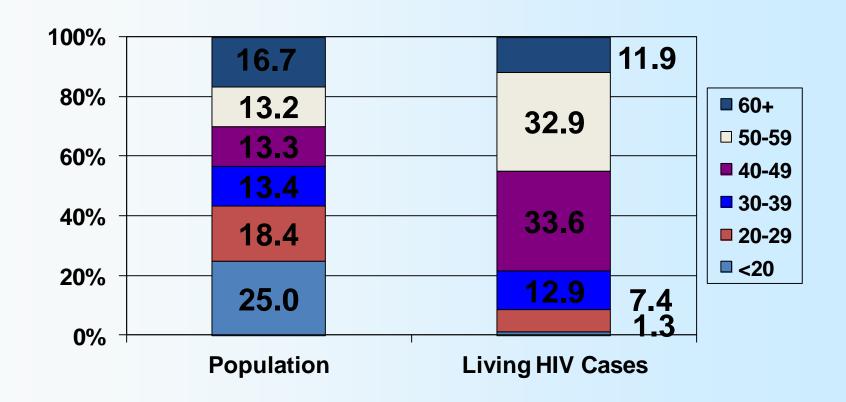






Population and Living HIV Cases by Age, Baltimore City

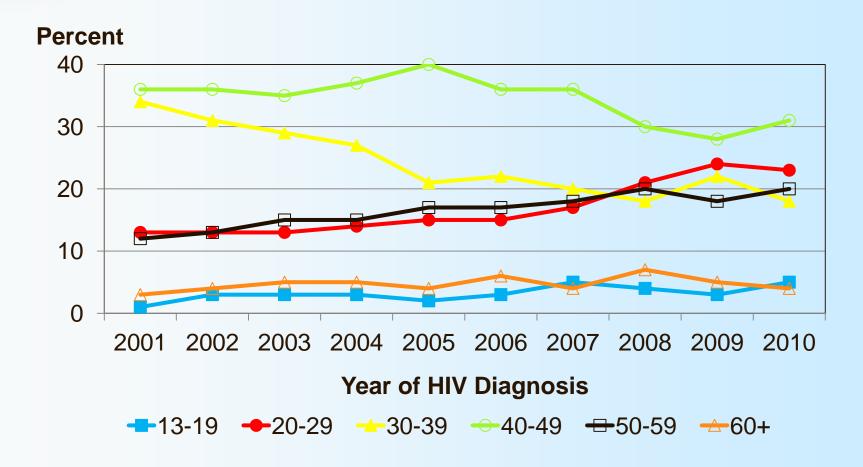






Reported Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Baltimore City







Exposure Categories



MSM: Men who have Sex with Men

IDU: Injection Drug Use

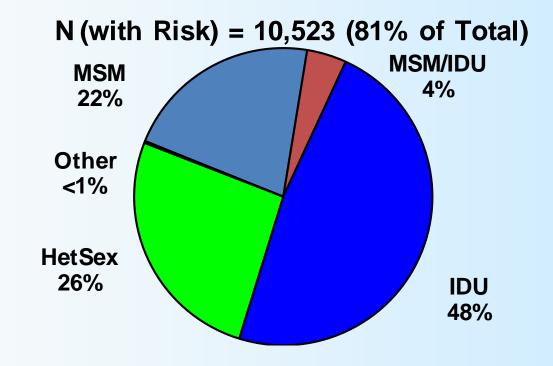
MSM/IDU: Men who have Sex with Men AND Inject Drugs

HetSex: Heterosexual Contact with a Person that has or is at Risk for HIV Infection



Living Adult/Adolescent HIV Cases 12/31/10 by Exposure Category, Baltimore City

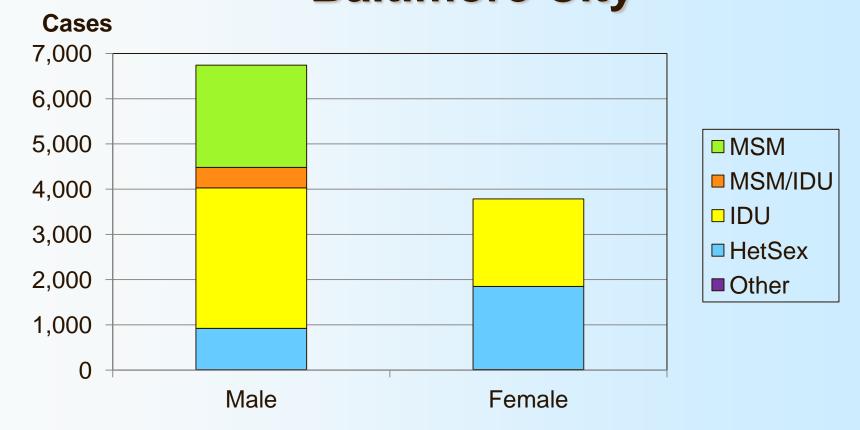






Living Adult/Adolescent HIV Cases 12/31/10 by Exposure Category and Sex at Birth Baltimore City

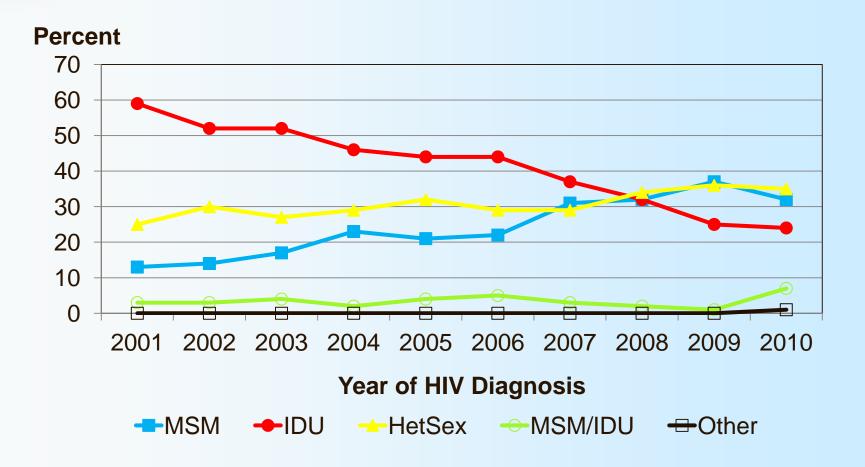






Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Baltimore City









- Linkage to Care: 64% had a CD4 or VL test within 3 months of HIV diagnosis
- CD4 at Diagnosis: 66% had a CD4 test within 12 months of HIV diagnosis, and the median value was 334 cells/microliter
- Late HIV Diagnosis: 26% had an AIDS diagnosis within 12 months of their HIV diagnosis



2010 Reported Adult/Adolescent AIDS Diagnoses (N=303) **Baltimore City**



- Progression: The average time from HIV diagnosis to AIDS diagnosis was 4.8 years
- Late HIV Diagnosis: 35% were diagnosed with AIDS within 12 months of their HIV diagnosis



National HIV/AIDS Strategy



Goals:

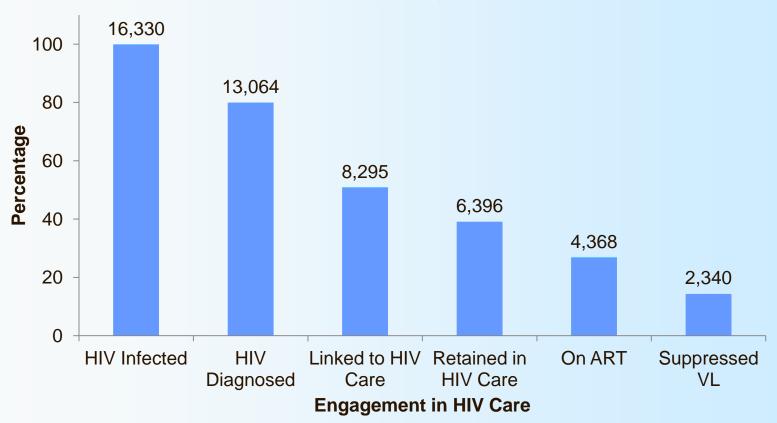
- Reducing HIV incidence
- Increasing access to care and optimizing health outcomes
- Reducing HIV-related health disparities
- Achieving a more coordinated national response



Continuum of Care

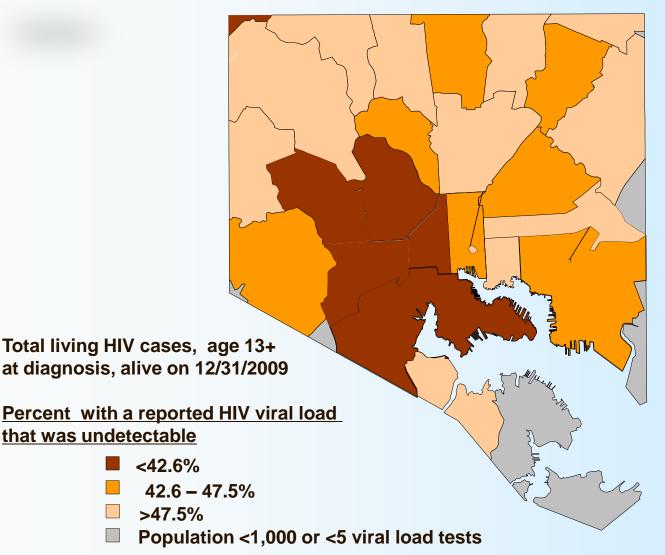


Estimated number and percentage of HIV infected adults engaged in selected stages of the continuum of care, Baltimore City, Maryland 2010



Undetectable HIV Viral Load Levels Baltimore City, 12/31/2010





Using data as reported through 12/31/2011

By ZIP code of residence at diagnosis

13,064 cases

5,414 with VL

City rate = 45.0% undetectable

> Maryland Infectious Disease and **Environmental Health Administration**





Maryland Infectious Disease and Environmental Health Administration

http://ideha.dhmh.maryland.gov/oideor/chse